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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/762,021	08/06/2001	Yongmimg Sun	DEX-0150	DEX-0150 7327	
26259	7590 03/19/2004		EXAMINER		
LICATLA & TYRRELL P.C. 66 E. MAIN STREET			UNGAR, SUSAN NMN		
MARLTON, NJ 08053			ART UNIT	PAPER NUMBER	
			1642		
			DATE MAILED: 03/19/2004	DATE MAILED: 03/19/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action    Caminer   Art Unit   Susan Ungar		Application No.	Applicant(s)					
Examiner   Susan Ungar   Ida2    -The MAILING DATE of this communication appears on the cover sheet with the correspondence address	Advisory Action							
THE REPLY FILED 23 January 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE therefore, further action by the applicant is required to avoid abandonment of this applicant is condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.  PERIOD FOR REPLY (check either a) or b)]  The period for reply expires three months from the mailing date of the final rejection.  The period for reply expires three months from the mailing date of the final rejection.  The period for reply expires three months from the mailing date of the final rejection.  ONLY OFTECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP ONLY OFTECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP ONLY OFTECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP ONLY OFTECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP ONLY OFTECK THE SEARCH OFTECK THE	,,	Examiner	Art Unit					
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Application/Control Number: 09/762,021

Art Unit: 1642

1. The Amendment-after-Final filed January 23, 2004 in response to the Office Action of October 23, 2003 is acknowledged and has been entered. Previously pending claim 1 has been amended. Claim 1 is currently being examined.

2. The following rejections are maintained:

## Claim Rejections - 35 USC § 102

3. Claim 1 remains rejected under 35 USC 102(a) and 102(e) for the reasons previously set for in the paper mailed October 23, 2003, Section 5, pages 3-4.

Applicant states that an exhibit is provided which is a copy of the amino acid sequence encoded by SEQ ID NO:1. Applicants have compared this sequence to polypeptides taught in US Patent 5,733, 748 and they are different. Applicant states that as evidenced by the sequence submitted herewith the CSG protein encoded by SEQ ID NO:1 is patentably different from the CSG proteins taught by US Patent No. 5,733,748.

The argument has been considered but has not been found persuasive, although Applicant has submitted a copy of the encoded protein and states that the sequences of the encoded protein and those of US Patent No. 5,733,738 are different, no objective evidence has been provided for Examiner's consideration that demonstrates these differences. Nothing has been submitted that would provide a basis for Applicant's assertion. Applicant has not met the burden to prove that the claimed method of assaying CSG protein encoded by SEQ ID NO:1 is different from that taught by the prior art or established patentable differences and in the absence of objective evidence, the claimed method appears to be the same as the prior art method.

The arguments have not been found persuasive and the rejection is maintained.

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## Claim Rejections - 35 USC § 112

4. Applicant argues that the potential three to four amino acid regions of overlap shown in the alignments provided by Examiner would not result in similar epitopes between HSV proteins and the CSG of the present invention. Further, the symptoms of HSV infection are different from the symptoms of colon cancer, thus, even is there were some overlap in detection of the two, the skilled clinician could still differentiate diagnostically in a patient based upon other factors. The argument has been considered but has not been found persuasive because Applicant is arguing limitations not recited in the claims as currently constituted, the claim is drawn to a method for diagnosing the presence of colon cancer based only on levels of CSG encoded by SEQ ID NO:1. Further, given the multiple epitopes in common between the HSV proteins and the CSG of the present invention, cross antibody cross reactivity would be expected.

Applicant argues that when comparing the encoded amino acid sequence of SEQ ID NO:1 with HSV 1 and 3, Applicant does not see any overlapping amino acid regions nor shared epitopes of said encoded amino acid and herpes virus 1 and 3. The arguments have been considered but have not been found persuasive. The alignments provided by Examiner clearly demonstrate the epitopes shared by the encoded polypeptides based on search of the STIC databases using the CRF of SEQ ID NO:1 submitted by Applicant. Given this information, it would appear that the sequence comparison that Applicant refers to is not drawn to a polypeptide encoded by the SEQ ID NO:1 submitted by Applicant.

Applicant argues that (a) the references cited in the rejection are not representative of what is believed by those skilled in the art and further argues that the field is predictable given the teachings of US Patent No. 5,733,748, (b) Patent

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5,733,748 teaches CSGs and proteins encoded thereby and methods of using said polypeptides for colon cancer diagnosis and this references establishes that for colon specific genes, those skilled in the art expect a correlation between polynucleotide and polypeptide, (c) the specification provides methods of detecting CSGs of the present invention. The arguments have been considered but have not been found persuasive because (a')(b') the field is not predictable for the reasons of record, the 5,733-748 reference does not establish that for colon specific genes a correlation would be expected between polynucleotide and polypeptide. Applicant is invited to point to the column and line where this particular teaching is to be found, (c') the teaching in the specification is not commensurate in scope with the claimed invention for the reasons of record. It is noted that Applicant has not addressed the issue previously raised as to whether or not the protein product is a cell surface protein or whether it is released into bodily fluids.

The arguments have not been found persuasive and the rejection is maintained.